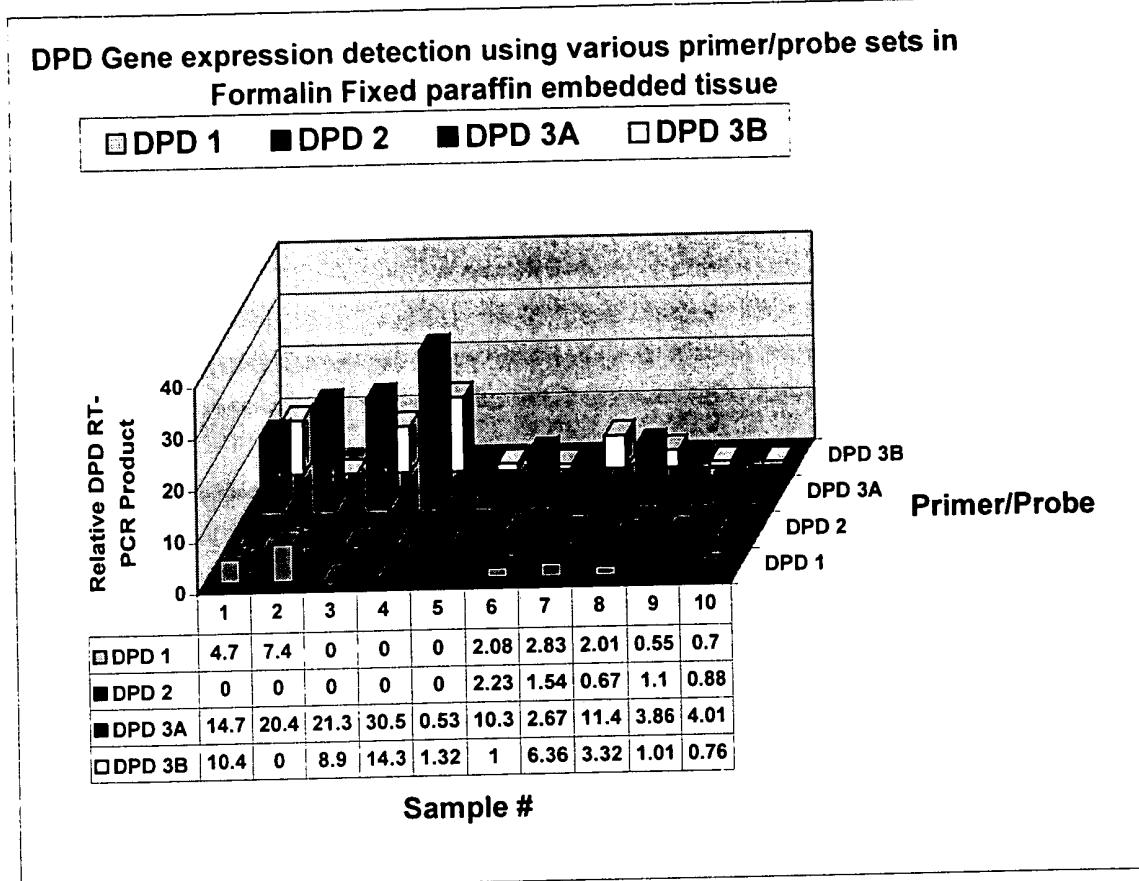
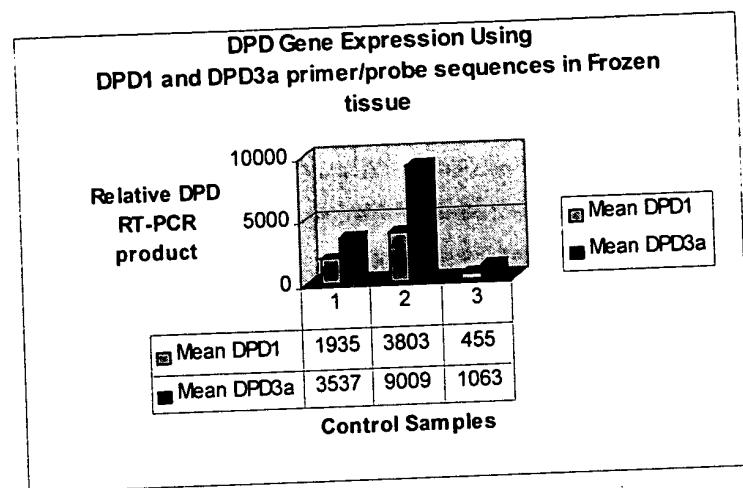


Fig. 1. Comparison of 4 DPD primer/probe sets for their ability to amplify DPD mRNA.



1092400-ETT#241260

Fig. 2. Comparison of amplification efficiency of primer/probe DPD 3A and DPD 1 to amplify DPD mRNA from frozen tissue.



109240 - Tissue Specific

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Figure 3. Chart illustrating how to calculate DPD expression relative to an internal control gene

Sample	from "test" reactions						from "calibration" reactions			Uncorrected Gene Expression (UGE)	$2^{-\Delta C_t}$	Published DPD values	Derivation of K_{DPD} (average K)	K	K_{DPD}	Relative DPD exp.
	C_T	C_T β-actin	ΔC_T	$2^{-\Delta C_T}$	C_T	C_T β-actin	ΔC_T	$2^{-\Delta C_T}$								
Experimental																
unknown 1	25.01	19.84	5.21	0.027	-	-	-	-	4.47	-	-	-	1.08	4.83	-	-
unknown 2	28.18	18.76	9.42	0.0015	-	-	-	-	0.241	-	-	-	1.08	0.2608	-	-
Calib. RNA	-	-	-	-	27.94	26.92	19.55	7.37	0.0065/0.0065=1	-	-	-	-	-	-	-
From Published Data	L7	31.04	24.56	6.49	0.0111	-	-	-	2.45	270	-	1.10	1.08	-	-	-
	L91	27.95	20.5	7.45	0.0057	-	-	-	1.26	-	1.20	1.08	1.08	-	-	-
	L121	26.88	19.2	7.68	0.00488	-	-	-	1.07	-	1.10	1.02	1.08	-	-	-
	L150	33.32	22.88	10.44	.00072	-	-	-	0.158	0.17	-	1.08	1.08	-	-	-
	L220	26.96	22.01	4.95	0.03235	-	-	-	7.12	7.3	-	1.03	1.08	-	-	-
	L164	25.44	21.4	4.04	0.0607	-	-	-	13.38	16	-	1.2	1.08	-	-	-
	Calib. RNA	-	-	-	-	27.88	20.98	77.82	0.005	0.005/0.005=1	-	-	-	-	-	-